

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-33580-1

Client Project/Site: 7860 Empire Pkwy - TNE-140122-HW

For:

Ohio EPA-NEDO

2110 East Aurora Road

Twinsburg, Ohio 44087

Attn: Frank Zingales

Denise Pohl

Authorized for release by:

2/12/2014 7:42:46 AM

Denise Pohl, Project Manager II

(330)966-9789

denise.pohl@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	15
QC Sample Results	27
QC Association Summary	34
Lab Chronicle	39
Certification Summary	44
Chain of Custody	45

Definitions/Glossary

Client: Ohio EPA-NEDO
Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
L	A negative instrument reading had an absolute value greater than the reporting limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

dw	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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13

Case Narrative

Client: Ohio EPA-NEDO
Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Job ID: 240-33580-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Ohio EPA-NEDO

Project: 7860 Empire Pkwy - TNE-140122-HW

Report Number: 240-33580-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 1/23/2014 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2° C.

TCLP METALS (ICP)

Samples V09 (240-33580-1), T37 (240-33580-2), V11 (240-33580-3), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V27 (240-33580-7), V26 LIQUID (240-33580-8), V26 SLUDGE (240-33580-9), V29 (240-33580-10), V35 (240-33580-11) and WP-01 (240-33580-12) were analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010B. The samples were leached on 01/28/2014, prepared on 01/29/2014 and analyzed on 01/30/2014.

Arsenic, Barium and Chromium were detected in method blank LB 240-117930/1-C at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Selenium was detected in method blank LB 240-117931/1-B at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Barium was detected in method blank LB 240-117931/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Case Narrative

Client: Ohio EPA-NEDO
Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Job ID: 240-33580-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples V09 (240-33580-1)[20X], V09 (240-33580-1)[50X], T37 (240-33580-2)[20X], V11 (240-33580-3)[10X], V11 (240-33580-3)[50X], V03 (240-33580-4)[10X], V04 (240-33580-5)[4X], V04 (240-33580-5)[50X], V04 DUP (240-33580-6)[4X], V04 DUP (240-33580-6)[50X], V27 (240-33580-7)[50X] and V26 LIQUID (240-33580-8)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 3010A: The following sample(s) was diluted due to the nature of the sample matrix: V03 (240-33580-4), V26 LIQUID (240-33580-8), V27 (240-33580-7). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: T37 (240-33580-2), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V09 (240-33580-1), V11 (240-33580-3), V26 LIQUID (240-33580-8), V27 (240-33580-7). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS IN WASTE (ICP)

Samples V09 (240-33580-1), T37 (240-33580-2), V11 (240-33580-3), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V27 (240-33580-7), V26 LIQUID (240-33580-8), V26 SLUDGE (240-33580-9), V29 (240-33580-10) and V35 (240-33580-11) were analyzed for total metals in waste (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 02/06/2014 and analyzed on 02/07/2014 and 02/10/2014.

Antimony, Barium, Magnesium, Potassium and Zinc were detected in method blank MB 240-118818/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Antimony, Calcium, Iron and Manganese failed the recovery criteria low for the MS of sample 240-33882-1 in batch 240-118920. Aluminum failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MSD of sample 240-33882-1 in batch 240-118920. Aluminum failed the recovery criteria high.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples V26 LIQUID (240-33580-8)[5X] and V26 SLUDGE (240-33580-9)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: V26 SLUDGE (240-33580-9). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples V09 (240-33580-1), T37 (240-33580-2), V11 (240-33580-3), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V27 (240-33580-7), V26 LIQUID (240-33580-8), V26 SLUDGE (240-33580-9), V29 (240-33580-10), V35 (240-33580-11) and WP-01 (240-33580-12) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 01/28/2014, prepared on 01/29/2014 and analyzed on 02/04/2014.

No difficulties were encountered during the mercury analysis.

Case Narrative

Client: Ohio EPA-NEDO
Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Job ID: 240-33580-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples V09 (240-33580-1), T37 (240-33580-2), V11 (240-33580-3), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V27 (240-33580-7), V26 LIQUID (240-33580-8), V26 SLUDGE (240-33580-9), V29 (240-33580-10) and V35 (240-33580-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 02/06/2014.

Method(s) 7470A: The following sample(s) was diluted due to the nature of the sample matrix: V03 (240-33580-4), V26 LIQUID (240-33580-8), V27 (240-33580-7). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

pH

Samples V09 (240-33580-1), T37 (240-33580-2), V11 (240-33580-3), V03 (240-33580-4), V04 (240-33580-5), V04 DUP (240-33580-6), V27 (240-33580-7), V26 LIQUID (240-33580-8), V29 (240-33580-10) and V35 (240-33580-11) were analyzed for pH in accordance with EPA SW-846 Method 9040C. The samples were analyzed on 01/23/2014.

No difficulties were encountered during the pH/Corrosivity analysis.

All quality control parameters were within the acceptance limits.

Method Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP) - Solid Matrix	SW846	TAL CAN
6010B	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA) - Solid Matrix	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471A	Mercury (CVAA)	SW846	TAL CAN
9040C	Corrosivity as pH	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-33580-1	V09	Waste	01/22/14 09:00	01/23/14 09:50
240-33580-2	T37	Waste	01/22/14 09:15	01/23/14 09:50
240-33580-3	V11	Waste	01/22/14 09:32	01/23/14 09:50
240-33580-4	V03	Waste	01/22/14 09:50	01/23/14 09:50
240-33580-5	V04	Waste	01/22/14 10:05	01/23/14 09:50
240-33580-6	V04 DUP	Waste	01/22/14 10:05	01/23/14 09:50
240-33580-7	V27	Waste	01/22/14 10:20	01/23/14 09:50
240-33580-8	V26 LIQUID	Waste	01/22/14 10:45	01/23/14 09:50
240-33580-9	V26 SLUDGE	Waste	01/22/14 10:45	01/23/14 09:50
240-33580-10	V29	Waste	01/22/14 11:25	01/23/14 09:50
240-33580-11	V35	Waste	01/22/14 11:33	01/23/14 09:50
240-33580-12	WP-01	Solid	01/22/14 11:00	01/23/14 09:50

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V09

Lab Sample ID: 240-33580-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.6	B	1.3	0.16	mg/L	50		6010B	TCLP
Barium	0.092	J B	10	0.013	mg/L	20		6010B	TCLP
Cadmium	0.11		0.10	0.013	mg/L	20		6010B	TCLP
Chromium	67	B	0.50	0.044	mg/L	20		6010B	TCLP
Lead	2.4		1.3	0.095	mg/L	50		6010B	TCLP
Aluminum	18000		18	8.5	mg/Kg	1		6010B	Total/NA
Antimony	0.58	J B	0.88	0.35	mg/Kg	1		6010B	Total/NA
Arsenic	1.5		0.88	0.27	mg/Kg	1		6010B	Total/NA
Barium	0.34	J B	18	0.063	mg/Kg	1		6010B	Total/NA
Cadmium	0.12	J	0.18	0.032	mg/Kg	1		6010B	Total/NA
Calcium	180	J	440	14	mg/Kg	1		6010B	Total/NA
Chromium	75		0.44	0.18	mg/Kg	1		6010B	Total/NA
Cobalt	12		4.4	0.14	mg/Kg	1		6010B	Total/NA
Copper	160		2.2	0.65	mg/Kg	1		6010B	Total/NA
Iron	1900		8.8	4.3	mg/Kg	1		6010B	Total/NA
Lead	2.6		0.27	0.17	mg/Kg	1		6010B	Total/NA
Magnesium	320	J B	440	4.5	mg/Kg	1		6010B	Total/NA
Manganese	30		1.3	0.065	mg/Kg	1		6010B	Total/NA
Nickel	190		3.5	0.24	mg/Kg	1		6010B	Total/NA
Potassium	54	J B	440	5.5	mg/Kg	1		6010B	Total/NA
Sodium	12000		440	58	mg/Kg	1		6010B	Total/NA
Vanadium	2.7	J	4.4	0.11	mg/Kg	1		6010B	Total/NA
Zinc	22	B	1.8	0.88	mg/Kg	1		6010B	Total/NA
Corrosivity	1.48		0.100	0.100	SU	1		9040C	Total/NA

Client Sample ID: T37

Lab Sample ID: 240-33580-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.36	J B	0.50	0.064	mg/L	20		6010B	TCLP
Barium	0.064	J B	0.50	0.00067	mg/L	1		6010B	TCLP
Cadmium	0.025		0.0050	0.00066	mg/L	1		6010B	TCLP
Chromium	5.5	B	0.025	0.0022	mg/L	1		6010B	TCLP
Lead	2.6		0.50	0.038	mg/L	20		6010B	TCLP
Aluminum	6700		19	8.9	mg/Kg	1		6010B	Total/NA
Barium	0.53	J B	19	0.066	mg/Kg	1		6010B	Total/NA
Calcium	170	J	460	15	mg/Kg	1		6010B	Total/NA
Chromium	6.4		0.46	0.19	mg/Kg	1		6010B	Total/NA
Cobalt	0.25	J	4.6	0.15	mg/Kg	1		6010B	Total/NA
Copper	29		2.3	0.69	mg/Kg	1		6010B	Total/NA
Iron	190		9.3	4.5	mg/Kg	1		6010B	Total/NA
Lead	2.3		0.28	0.18	mg/Kg	1		6010B	Total/NA
Magnesium	180	J B	460	4.7	mg/Kg	1		6010B	Total/NA
Manganese	13		1.4	0.069	mg/Kg	1		6010B	Total/NA
Nickel	16		3.7	0.25	mg/Kg	1		6010B	Total/NA
Potassium	32	J B	460	5.7	mg/Kg	1		6010B	Total/NA
Sodium	13000		460	61	mg/Kg	1		6010B	Total/NA
Vanadium	0.30	J	4.6	0.11	mg/Kg	1		6010B	Total/NA
Zinc	6.4	B	1.9	0.93	mg/Kg	1		6010B	Total/NA
Corrosivity	3.73		0.100	0.100	SU	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V11

Lab Sample ID: 240-33580-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7	B	1.3	0.16	mg/L	50		6010B	TCLP
Barium	0.056	J B	5.0	0.0067	mg/L	10		6010B	TCLP
Cadmium	0.13		0.050	0.0066	mg/L	10		6010B	TCLP
Chromium	13	B	0.25	0.022	mg/L	10		6010B	TCLP
Lead	2.7		1.3	0.095	mg/L	50		6010B	TCLP
Aluminum	19000		19	9.0	mg/Kg	1		6010B	Total/NA
Antimony	0.45	J B	0.93	0.36	mg/Kg	1		6010B	Total/NA
Arsenic	3.0		0.93	0.28	mg/Kg	1		6010B	Total/NA
Barium	0.26	J B	19	0.066	mg/Kg	1		6010B	Total/NA
Cadmium	0.16	J	0.19	0.034	mg/Kg	1		6010B	Total/NA
Calcium	180	J	470	15	mg/Kg	1		6010B	Total/NA
Chromium	16		0.47	0.19	mg/Kg	1		6010B	Total/NA
Cobalt	0.87	J	4.7	0.15	mg/Kg	1		6010B	Total/NA
Copper	270		2.3	0.69	mg/Kg	1		6010B	Total/NA
Iron	1400		9.3	4.6	mg/Kg	1		6010B	Total/NA
Lead	3.2		0.28	0.18	mg/Kg	1		6010B	Total/NA
Magnesium	460	J B	470	4.8	mg/Kg	1		6010B	Total/NA
Manganese	27		1.4	0.069	mg/Kg	1		6010B	Total/NA
Nickel	29		3.7	0.25	mg/Kg	1		6010B	Total/NA
Potassium	51	J B	470	5.8	mg/Kg	1		6010B	Total/NA
Sodium	12000		470	62	mg/Kg	1		6010B	Total/NA
Vanadium	2.8	J	4.7	0.11	mg/Kg	1		6010B	Total/NA
Zinc	15	B	1.9	0.93	mg/Kg	1		6010B	Total/NA
Corrosivity	0.280		0.100	0.100	SU	1		9040C	Total/NA

Client Sample ID: V03

Lab Sample ID: 240-33580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.25	J B	1.0	0.13	mg/L	10		6010B	TCLP
Barium	0.16	J B	2.0	0.0027	mg/L	1		6010B	TCLP
Cadmium	0.19		0.020	0.0026	mg/L	1		6010B	TCLP
Chromium	68	B	0.10	0.0088	mg/L	1		6010B	TCLP
Lead	0.87	J	1.0	0.076	mg/L	10		6010B	TCLP
Aluminum	30000		13	6.4	mg/Kg	1		6010B	Total/NA
Antimony	0.31	J B	0.67	0.26	mg/Kg	1		6010B	Total/NA
Arsenic	0.21	J	0.67	0.20	mg/Kg	1		6010B	Total/NA
Barium	0.43	J B	13	0.047	mg/Kg	1		6010B	Total/NA
Beryllium	0.040	J	0.33	0.029	mg/Kg	1		6010B	Total/NA
Cadmium	0.39		0.13	0.024	mg/Kg	1		6010B	Total/NA
Calcium	80	J	330	11	mg/Kg	1		6010B	Total/NA
Chromium	160		0.33	0.13	mg/Kg	1		6010B	Total/NA
Cobalt	1.5	J	3.3	0.11	mg/Kg	1		6010B	Total/NA
Copper	72		1.7	0.49	mg/Kg	1		6010B	Total/NA
Iron	880		6.7	3.3	mg/Kg	1		6010B	Total/NA
Lead	1.7		0.20	0.13	mg/Kg	1		6010B	Total/NA
Magnesium	350	B	330	3.4	mg/Kg	1		6010B	Total/NA
Manganese	110		1.0	0.049	mg/Kg	1		6010B	Total/NA
Nickel	100		2.7	0.18	mg/Kg	1		6010B	Total/NA
Potassium	23	J B	330	4.1	mg/Kg	1		6010B	Total/NA
Sodium	630		330	44	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V03 (Continued)

Lab Sample ID: 240-33580-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	4.7		3.3	0.080	mg/Kg	1	6010B		Total/NA
Zinc	24	B	1.3	0.67	mg/Kg	1	6010B		Total/NA

Client Sample ID: V04

Lab Sample ID: 240-33580-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.18	J B	1.3	0.16	mg/L	50	6010B		TCLP
Barium	0.10	J B	2.0	0.0027	mg/L	4	6010B		TCLP
Cadmium	0.13		0.020	0.0026	mg/L	4	6010B		TCLP
Chromium	49	B	0.10	0.0088	mg/L	4	6010B		TCLP
Lead	0.28	J	1.3	0.095	mg/L	50	6010B		TCLP
Aluminum	32000		15	7.3	mg/Kg	1	6010B		Total/NA
Barium	0.16	J B	15	0.054	mg/Kg	1	6010B		Total/NA
Beryllium	0.039	J	0.38	0.033	mg/Kg	1	6010B		Total/NA
Cadmium	0.35		0.15	0.027	mg/Kg	1	6010B		Total/NA
Calcium	33	J	380	12	mg/Kg	1	6010B		Total/NA
Chromium	170		0.38	0.15	mg/Kg	1	6010B		Total/NA
Cobalt	1.4	J	3.8	0.12	mg/Kg	1	6010B		Total/NA
Copper	64		1.9	0.56	mg/Kg	1	6010B		Total/NA
Iron	680		7.6	3.7	mg/Kg	1	6010B		Total/NA
Lead	0.71		0.23	0.15	mg/Kg	1	6010B		Total/NA
Magnesium	350	J B	380	3.9	mg/Kg	1	6010B		Total/NA
Manganese	98		1.1	0.056	mg/Kg	1	6010B		Total/NA
Nickel	97		3.1	0.21	mg/Kg	1	6010B		Total/NA
Potassium	67	J B	380	4.7	mg/Kg	1	6010B		Total/NA
Sodium	590		380	50	mg/Kg	1	6010B		Total/NA
Vanadium	3.7	J	3.8	0.092	mg/Kg	1	6010B		Total/NA
Zinc	22	B	1.5	0.76	mg/Kg	1	6010B		Total/NA
Mercury	0.00017	J	0.0020	0.00012	mg/L	1	7470A		TCLP

Client Sample ID: V04 DUP

Lab Sample ID: 240-33580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.17	J B	1.3	0.16	mg/L	50	6010B		TCLP
Barium	0.089	J B	2.0	0.0027	mg/L	4	6010B		TCLP
Cadmium	0.11		0.020	0.0026	mg/L	4	6010B		TCLP
Chromium	42	B	0.10	0.0088	mg/L	4	6010B		TCLP
Lead	0.35	J	1.3	0.095	mg/L	50	6010B		TCLP
Aluminum	30000		15	7.2	mg/Kg	1	6010B		Total/NA
Antimony	0.29	J B	0.75	0.29	mg/Kg	1	6010B		Total/NA
Barium	2.1	J B	15	0.053	mg/Kg	1	6010B		Total/NA
Beryllium	0.042	J	0.38	0.032	mg/Kg	1	6010B		Total/NA
Cadmium	0.38		0.15	0.027	mg/Kg	1	6010B		Total/NA
Calcium	39	J	380	12	mg/Kg	1	6010B		Total/NA
Chromium	160		0.38	0.15	mg/Kg	1	6010B		Total/NA
Cobalt	1.6	J	3.8	0.12	mg/Kg	1	6010B		Total/NA
Copper	69		1.9	0.56	mg/Kg	1	6010B		Total/NA
Iron	720		7.5	3.7	mg/Kg	1	6010B		Total/NA
Lead	0.87		0.23	0.14	mg/Kg	1	6010B		Total/NA
Magnesium	390	B	380	3.8	mg/Kg	1	6010B		Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V04 DUP (Continued)

Lab Sample ID: 240-33580-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	110		1.1	0.056	mg/Kg	1		6010B	Total/NA
Nickel	110		3.0	0.20	mg/Kg	1		6010B	Total/NA
Potassium	81	J B	380	4.7	mg/Kg	1		6010B	Total/NA
Sodium	680		380	50	mg/Kg	1		6010B	Total/NA
Vanadium	3.8		3.8	0.090	mg/Kg	1		6010B	Total/NA
Zinc	24	B	1.5	0.75	mg/Kg	1		6010B	Total/NA

Client Sample ID: V27

Lab Sample ID: 240-33580-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.85	J B	5.0	0.64	mg/L	50		6010B	TCLP
Barium	0.48	J B	2.0	0.0027	mg/L	1		6010B	TCLP
Cadmium	0.26		0.020	0.0026	mg/L	1		6010B	TCLP
Chromium	160	B	5.0	0.44	mg/L	50		6010B	TCLP
Lead	1.2	J	5.0	0.38	mg/L	50		6010B	TCLP
Aluminum	29000		19	9.1	mg/Kg	1		6010B	Total/NA
Antimony	0.54	J B	0.95	0.37	mg/Kg	1		6010B	Total/NA
Barium	0.59	J B	19	0.068	mg/Kg	1		6010B	Total/NA
Cadmium	0.17	J	0.19	0.034	mg/Kg	1		6010B	Total/NA
Calcium	74	J	480	15	mg/Kg	1		6010B	Total/NA
Chromium	120		0.48	0.19	mg/Kg	1		6010B	Total/NA
Cobalt	1.2	J	4.8	0.15	mg/Kg	1		6010B	Total/NA
Copper	20		2.4	0.70	mg/Kg	1		6010B	Total/NA
Iron	380		9.5	4.7	mg/Kg	1		6010B	Total/NA
Lead	0.66		0.29	0.18	mg/Kg	1		6010B	Total/NA
Magnesium	150	J B	480	4.9	mg/Kg	1		6010B	Total/NA
Manganese	20		1.4	0.070	mg/Kg	1		6010B	Total/NA
Nickel	90		3.8	0.26	mg/Kg	1		6010B	Total/NA
Potassium	26	J B	480	5.9	mg/Kg	1		6010B	Total/NA
Sodium	20000		480	63	mg/Kg	1		6010B	Total/NA
Vanadium	3.0	J	4.8	0.11	mg/Kg	1		6010B	Total/NA
Zinc	19	B	1.9	0.95	mg/Kg	1		6010B	Total/NA
Corrosivity	1.82		0.100	0.100	SU	1		9040C	Total/NA

Client Sample ID: V26 LIQUID

Lab Sample ID: 240-33580-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.30	J B	10	0.013	mg/L	1		6010B	TCLP
Chromium	0.85	B	0.50	0.044	mg/L	1		6010B	TCLP
Aluminum	14000		19	8.9	mg/Kg	1		6010B	Total/NA
Barium	0.65	J B	19	0.066	mg/Kg	1		6010B	Total/NA
Calcium	27	J	460	15	mg/Kg	1		6010B	Total/NA
Chromium	0.87		0.46	0.19	mg/Kg	1		6010B	Total/NA
Iron	8.5	J	9.3	4.5	mg/Kg	1		6010B	Total/NA
Magnesium	5.8	J B	460	4.7	mg/Kg	1		6010B	Total/NA
Manganese	0.41	J	1.4	0.069	mg/Kg	1		6010B	Total/NA
Potassium	78	J B	460	5.7	mg/Kg	1		6010B	Total/NA
Sodium	60000		2300	310	mg/Kg	5		6010B	Total/NA
Vanadium	9.8		4.6	0.11	mg/Kg	1		6010B	Total/NA
Zinc	48	B	1.9	0.93	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V26 LIQUID (Continued)

Lab Sample ID: 240-33580-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Corrosivity	13.6		0.100	0.100	SU	1		9040C	Total/NA

Client Sample ID: V26 SLUDGE

Lab Sample ID: 240-33580-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0034	J	0.025	0.0032	mg/L	1		6010B	TCLP
Barium	0.0013	J B	0.50	0.00067	mg/L	1		6010B	TCLP
Chromium	0.013	J	0.025	0.0022	mg/L	1		6010B	TCLP
Lead	0.0036	J	0.025	0.0019	mg/L	1		6010B	TCLP
Aluminum	82000		40	19	mg/Kg	2		6010B	Total/NA
Barium	1.2	J B	20	0.070	mg/Kg	1		6010B	Total/NA
Cadmium	0.068	J	0.20	0.036	mg/Kg	1		6010B	Total/NA
Calcium	79	J	500	16	mg/Kg	1		6010B	Total/NA
Chromium	11		0.50	0.20	mg/Kg	1		6010B	Total/NA
Copper	35		2.5	0.73	mg/Kg	1		6010B	Total/NA
Iron	200		9.9	4.9	mg/Kg	1		6010B	Total/NA
Lead	2.1		0.59	0.38	mg/Kg	2		6010B	Total/NA
Magnesium	400	J B	500	5.0	mg/Kg	1		6010B	Total/NA
Manganese	31		1.5	0.073	mg/Kg	1		6010B	Total/NA
Nickel	5.7		4.0	0.27	mg/Kg	1		6010B	Total/NA
Potassium	49	J B	500	6.1	mg/Kg	1		6010B	Total/NA
Sodium	49000		500	65	mg/Kg	1		6010B	Total/NA
Vanadium	5.4		5.0	0.12	mg/Kg	1		6010B	Total/NA
Zinc	19	B	2.0	0.99	mg/Kg	1		6010B	Total/NA

Client Sample ID: V29

Lab Sample ID: 240-33580-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0060	J B	0.025	0.0032	mg/L	1		6010B	TCLP
Barium	0.078	J B	0.50	0.00067	mg/L	1		6010B	TCLP
Chromium	0.23	B	0.025	0.0022	mg/L	1		6010B	TCLP
Lead	0.0035	J	0.025	0.0019	mg/L	1		6010B	TCLP
Aluminum	2400		18	8.6	mg/Kg	1		6010B	Total/NA
Barium	0.67	J B	18	0.063	mg/Kg	1		6010B	Total/NA
Calcium	230	J	450	14	mg/Kg	1		6010B	Total/NA
Chromium	11		0.45	0.18	mg/Kg	1		6010B	Total/NA
Iron	80		8.9	4.4	mg/Kg	1		6010B	Total/NA
Magnesium	280	J B	450	4.6	mg/Kg	1		6010B	Total/NA
Manganese	1.9		1.3	0.066	mg/Kg	1		6010B	Total/NA
Nickel	2.2	J	3.6	0.24	mg/Kg	1		6010B	Total/NA
Potassium	26	J B	450	5.5	mg/Kg	1		6010B	Total/NA
Sodium	6100		450	59	mg/Kg	1		6010B	Total/NA
Vanadium	0.25	J	4.5	0.11	mg/Kg	1		6010B	Total/NA
Zinc	3.1	B	1.8	0.89	mg/Kg	1		6010B	Total/NA
Corrosivity	7.53		0.100	0.100	SU	1		9040C	Total/NA

Client Sample ID: V35

Lab Sample ID: 240-33580-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0093	J B	0.025	0.0032	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V35 (Continued)

Lab Sample ID: 240-33580-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.080	J B	0.50	0.00067	mg/L	1	6010B	TCLP	1
Cadmium	0.0066		0.0050	0.00066	mg/L	1	6010B	TCLP	2
Chromium	0.16	B	0.025	0.0022	mg/L	1	6010B	TCLP	3
Lead	0.35		0.025	0.0019	mg/L	1	6010B	TCLP	4
Selenium	0.0043	J	0.0050	0.0041	mg/L	1	6010B	TCLP	5
Aluminum	16000		17	7.9	mg/Kg	1	6010B	Total/NA	6
Antimony	0.46	J B	0.83	0.32	mg/Kg	1	6010B	Total/NA	7
Arsenic	0.35	J	0.83	0.25	mg/Kg	1	6010B	Total/NA	8
Barium	0.22	J B	17	0.059	mg/Kg	1	6010B	Total/NA	9
Cadmium	0.044	J	0.17	0.030	mg/Kg	1	6010B	Total/NA	10
Calcium	110	J	410	13	mg/Kg	1	6010B	Total/NA	11
Chromium	8.0		0.41	0.17	mg/Kg	1	6010B	Total/NA	12
Cobalt	0.20	J	4.1	0.13	mg/Kg	1	6010B	Total/NA	13
Copper	2.4		2.1	0.61	mg/Kg	1	6010B	Total/NA	14
Iron	700		8.3	4.0	mg/Kg	1	6010B	Total/NA	15
Lead	4.7		0.25	0.16	mg/Kg	1	6010B	Total/NA	16
Magnesium	100	J B	410	4.2	mg/Kg	1	6010B	Total/NA	17
Manganese	10		1.2	0.061	mg/Kg	1	6010B	Total/NA	18
Nickel	6.6		3.3	0.22	mg/Kg	1	6010B	Total/NA	19
Potassium	27	J B	410	5.1	mg/Kg	1	6010B	Total/NA	20
Sodium	13000		410	55	mg/Kg	1	6010B	Total/NA	21
Vanadium	1.8	J	4.1	0.099	mg/Kg	1	6010B	Total/NA	22
Zinc	8.1	B	1.7	0.83	mg/Kg	1	6010B	Total/NA	23
Corrosivity	4.10		0.100	0.100	SU	1	9040C	Total/NA	24

Client Sample ID: WP-01

Lab Sample ID: 240-33580-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0042	J B	0.025	0.0032	mg/L	1	6010B	TCLP	1
Barium	0.062	J B	0.50	0.00067	mg/L	1	6010B	TCLP	2
Cadmium	0.0021	J	0.0050	0.00066	mg/L	1	6010B	TCLP	3
Chromium	0.011	J B	0.025	0.0022	mg/L	1	6010B	TCLP	4
Lead	0.021	J	0.025	0.0019	mg/L	1	6010B	TCLP	5

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V09

Date Collected: 01/22/14 09:00

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-1

Matrix: Waste

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6	B	1.3	0.16	mg/L		01/29/14 08:11	01/30/14 10:39	50
Barium	0.092	J B	10	0.013	mg/L		01/29/14 08:11	01/30/14 09:41	20
Cadmium	0.11		0.10	0.013	mg/L		01/29/14 08:11	01/30/14 09:41	20
Chromium	67	B	0.50	0.044	mg/L		01/29/14 08:11	01/30/14 09:41	20
Lead	2.4		1.3	0.095	mg/L		01/29/14 08:11	01/30/14 10:39	50
Selenium	0.10	U	0.10	0.082	mg/L		01/29/14 08:11	01/30/14 09:41	20
Silver	0.50	U	0.50	0.044	mg/L		01/29/14 08:11	01/30/14 09:41	20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000		18	8.5	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Antimony	0.58	J B	0.88	0.35	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Arsenic	1.5		0.88	0.27	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Barium	0.34	J B	18	0.063	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Beryllium	0.44	U	0.44	0.038	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Cadmium	0.12	J	0.18	0.032	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Calcium	180	J	440	14	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Chromium	75		0.44	0.18	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Cobalt	12		4.4	0.14	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Copper	160		2.2	0.65	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Iron	1900		8.8	4.3	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Lead	2.6		0.27	0.17	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Magnesium	320	J B	440	4.5	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Manganese	30		1.3	0.065	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Nickel	190		3.5	0.24	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Potassium	54	J B	440	5.5	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Selenium	0.44	U	0.44	0.40	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Silver	0.44	U	0.44	0.088	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Sodium	12000		440	58	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Thallium	0.88	U	0.88	0.49	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Vanadium	2.7	J	4.4	0.11	mg/Kg		02/06/14 11:53	02/07/14 20:53	1
Zinc	22	B	1.8	0.88	mg/Kg		02/06/14 11:53	02/07/14 20:53	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 14:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.016	mg/Kg		02/06/14 14:50	02/06/14 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	1.48		0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: T37

Lab Sample ID: 240-33580-2

Date Collected: 01/22/14 09:15

Matrix: Waste

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.36	J B	0.50	0.064	mg/L		01/29/14 08:11	01/30/14 10:51	20
Barium	0.064	J B	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 09:45	1
Cadmium	0.025		0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 09:45	1
Chromium	5.5	B	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 09:45	1
Lead	2.6		0.50	0.038	mg/L		01/29/14 08:11	01/30/14 10:51	20
Selenium	0.10	U	0.10	0.082	mg/L		01/29/14 08:11	01/30/14 10:51	20
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 09:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700		19	8.9	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Antimony	0.93	U	0.93	0.36	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Arsenic	0.93	U	0.93	0.28	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Barium	0.53	J B	19	0.066	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Beryllium	0.46	U	0.46	0.040	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Cadmium	0.19	U	0.19	0.033	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Calcium	170	J	460	15	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Chromium	6.4		0.46	0.19	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Cobalt	0.25	J	4.6	0.15	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Copper	29		2.3	0.69	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Iron	190		9.3	4.5	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Lead	2.3		0.28	0.18	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Magnesium	180	J B	460	4.7	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Manganese	13		1.4	0.069	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Nickel	16		3.7	0.25	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Potassium	32	J B	460	5.7	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Selenium	0.46	U	0.46	0.42	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Silver	0.46	U	0.46	0.093	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Sodium	13000		460	61	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Thallium	0.93	U	0.93	0.51	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Vanadium	0.30	J	4.6	0.11	mg/Kg		02/06/14 11:53	02/07/14 20:57	1
Zinc	6.4	B	1.9	0.93	mg/Kg		02/06/14 11:53	02/07/14 20:57	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.016	mg/Kg		02/06/14 14:50	02/06/14 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	3.73		0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V11

Lab Sample ID: 240-33580-3

Date Collected: 01/22/14 09:32

Matrix: Waste

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7	B	1.3	0.16	mg/L		01/29/14 08:11	01/30/14 10:55	50
Barium	0.056	J B	5.0	0.0067	mg/L		01/29/14 08:11	01/30/14 09:49	10
Cadmium	0.13		0.050	0.0066	mg/L		01/29/14 08:11	01/30/14 09:49	10
Chromium	13	B	0.25	0.022	mg/L		01/29/14 08:11	01/30/14 09:49	10
Lead	2.7		1.3	0.095	mg/L		01/29/14 08:11	01/30/14 10:55	50
Selenium	0.25	U	0.25	0.21	mg/L		01/29/14 08:11	01/30/14 10:55	50
Silver	0.25	U	0.25	0.022	mg/L		01/29/14 08:11	01/30/14 09:49	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19000		19	9.0	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Antimony	0.45	J B	0.93	0.36	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Arsenic	3.0		0.93	0.28	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Barium	0.26	J B	19	0.066	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Beryllium	0.47	U	0.47	0.040	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Cadmium	0.16	J	0.19	0.034	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Calcium	180	J	470	15	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Chromium	16		0.47	0.19	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Cobalt	0.87	J	4.7	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Copper	270		2.3	0.69	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Iron	1400		9.3	4.6	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Lead	3.2		0.28	0.18	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Magnesium	460	J B	470	4.8	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Manganese	27		1.4	0.069	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Nickel	29		3.7	0.25	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Potassium	51	J B	470	5.8	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Selenium	0.47	U	0.47	0.42	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Silver	0.47	U	0.47	0.093	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Sodium	12000		470	62	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Thallium	0.93	U	0.93	0.51	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Vanadium	2.8	J	4.7	0.11	mg/Kg		02/06/14 11:53	02/07/14 21:01	1
Zinc	15	B	1.9	0.93	mg/Kg		02/06/14 11:53	02/07/14 21:01	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.017	mg/Kg		02/06/14 14:50	02/06/14 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	0.280		0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V03

Lab Sample ID: 240-33580-4

Matrix: Waste

Date Collected: 01/22/14 09:50

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.25	J B	1.0	0.13	mg/L		01/29/14 08:11	01/30/14 10:59	10
Barium	0.16	J B	2.0	0.0027	mg/L		01/29/14 08:11	01/30/14 10:02	1
Cadmium	0.19		0.020	0.0026	mg/L		01/29/14 08:11	01/30/14 10:02	1
Chromium	68	B	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:02	1
Lead	0.87	J	1.0	0.076	mg/L		01/29/14 08:11	01/30/14 10:59	10
Selenium	0.20	U	0.20	0.16	mg/L		01/29/14 08:11	01/30/14 10:59	10
Silver	0.10	U	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	30000		13	6.4	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Antimony	0.31	J B	0.67	0.26	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Arsenic	0.21	J	0.67	0.20	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Barium	0.43	J B	13	0.047	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Beryllium	0.040	J	0.33	0.029	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Cadmium	0.39		0.13	0.024	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Calcium	80	J	330	11	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Chromium	160		0.33	0.13	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Cobalt	1.5	J	3.3	0.11	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Copper	72		1.7	0.49	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Iron	880		6.7	3.3	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Lead	1.7		0.20	0.13	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Magnesium	350	B	330	3.4	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Manganese	110		1.0	0.049	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Nickel	100		2.7	0.18	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Potassium	23	J B	330	4.1	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Selenium	0.33	U	0.33	0.30	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Silver	0.33	U	0.33	0.067	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Sodium	630		330	44	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Thallium	0.67	U	0.67	0.37	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Vanadium	4.7		3.3	0.080	mg/Kg		02/06/14 11:53	02/07/14 21:05	1
Zinc	24	B	1.3	0.67	mg/Kg		02/06/14 11:53	02/07/14 21:05	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		01/29/14 13:25	02/04/14 15:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.094	U	0.094	0.014	mg/Kg		02/06/14 14:50	02/06/14 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	0.100	U	0.100	0.100	SU			01/23/14 17:23	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V04

Lab Sample ID: 240-33580-5

Date Collected: 01/22/14 10:05

Matrix: Waste

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.18	J B	1.3	0.16	mg/L		01/29/14 08:11	01/30/14 11:03	50
Barium	0.10	J B	2.0	0.0027	mg/L		01/29/14 08:11	01/30/14 10:06	4
Cadmium	0.13		0.020	0.0026	mg/L		01/29/14 08:11	01/30/14 10:06	4
Chromium	49	B	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:06	4
Lead	0.28	J	1.3	0.095	mg/L		01/29/14 08:11	01/30/14 11:03	50
Selenium	0.25	U	0.25	0.21	mg/L		01/29/14 08:11	01/30/14 11:03	50
Silver	0.10	U	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:06	4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	32000		15	7.3	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Antimony	0.76	U	0.76	0.30	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Arsenic	0.76	U	0.76	0.23	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Barium	0.16	J B	15	0.054	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Beryllium	0.039	J	0.38	0.033	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Cadmium	0.35		0.15	0.027	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Calcium	33	J	380	12	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Chromium	170		0.38	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Cobalt	1.4	J	3.8	0.12	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Copper	64		1.9	0.56	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Iron	680		7.6	3.7	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Lead	0.71		0.23	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Magnesium	350	J B	380	3.9	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Manganese	98		1.1	0.056	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Nickel	97		3.1	0.21	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Potassium	67	J B	380	4.7	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Selenium	0.38	U	0.38	0.34	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Silver	0.38	U	0.38	0.076	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Sodium	590		380	50	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Thallium	0.76	U	0.76	0.42	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Vanadium	3.7	J	3.8	0.092	mg/Kg		02/06/14 11:53	02/07/14 21:09	1
Zinc	22	B	1.5	0.76	mg/Kg		02/06/14 11:53	02/07/14 21:09	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00017	J	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088	U	0.088	0.013	mg/Kg		02/06/14 14:50	02/06/14 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	0.100	U	0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V04 DUP

Lab Sample ID: 240-33580-6

Matrix: Waste

Date Collected: 01/22/14 10:05

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.17	J B	1.3	0.16	mg/L		01/29/14 08:11	01/30/14 11:07	50
Barium	0.089	J B	2.0	0.0027	mg/L		01/29/14 08:11	01/30/14 10:10	4
Cadmium	0.11		0.020	0.0026	mg/L		01/29/14 08:11	01/30/14 10:10	4
Chromium	42	B	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:10	4
Lead	0.35	J	1.3	0.095	mg/L		01/29/14 08:11	01/30/14 11:07	50
Selenium	0.25	U	0.25	0.21	mg/L		01/29/14 08:11	01/30/14 11:07	50
Silver	0.10	U	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:10	4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	30000		15	7.2	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Antimony	0.29	J B	0.75	0.29	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Arsenic	0.75	U	0.75	0.23	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Barium	2.1	J B	15	0.053	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Beryllium	0.042	J	0.38	0.032	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Cadmium	0.38		0.15	0.027	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Calcium	39	J	380	12	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Chromium	160		0.38	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Cobalt	1.6	J	3.8	0.12	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Copper	69		1.9	0.56	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Iron	720		7.5	3.7	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Lead	0.87		0.23	0.14	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Magnesium	390	B	380	3.8	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Manganese	110		1.1	0.056	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Nickel	110		3.0	0.20	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Potassium	81	J B	380	4.7	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Selenium	0.38	U	0.38	0.34	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Silver	0.38	U	0.38	0.075	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Sodium	680		380	50	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Thallium	0.75	U	0.75	0.41	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Vanadium	3.8		3.8	0.090	mg/Kg		02/06/14 11:53	02/07/14 21:13	1
Zinc	24	B	1.5	0.75	mg/Kg		02/06/14 11:53	02/07/14 21:13	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087	U	0.087	0.013	mg/Kg		02/06/14 14:50	02/06/14 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	0.100	U	0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V27

Lab Sample ID: 240-33580-7

Date Collected: 01/22/14 10:20

Matrix: Waste

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.85	J B	5.0	0.64	mg/L		01/29/14 08:11	01/30/14 11:11	50
Barium	0.48	J B	2.0	0.0027	mg/L		01/29/14 08:11	01/30/14 10:14	1
Cadmium	0.26		0.020	0.0026	mg/L		01/29/14 08:11	01/30/14 10:14	1
Chromium	160	B	5.0	0.44	mg/L		01/29/14 08:11	01/30/14 11:11	50
Lead	1.2	J	5.0	0.38	mg/L		01/29/14 08:11	01/30/14 11:11	50
Selenium	1.0	U	1.0	0.82	mg/L		01/29/14 08:11	01/30/14 11:11	50
Silver	0.10	U	0.10	0.0088	mg/L		01/29/14 08:11	01/30/14 10:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	29000		19	9.1	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Antimony	0.54	J B	0.95	0.37	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Arsenic	0.95	U	0.95	0.29	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Barium	0.59	J B	19	0.068	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Beryllium	0.48	U	0.48	0.041	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Cadmium	0.17	J	0.19	0.034	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Calcium	74	J	480	15	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Chromium	120		0.48	0.19	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Cobalt	1.2	J	4.8	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Copper	20		2.4	0.70	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Iron	380		9.5	4.7	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Lead	0.66		0.29	0.18	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Magnesium	150	J B	480	4.9	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Manganese	20		1.4	0.070	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Nickel	90		3.8	0.26	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Potassium	26	J B	480	5.9	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Selenium	0.48	U	0.48	0.43	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Silver	0.48	U	0.48	0.095	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Sodium	20000		480	63	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Thallium	0.95	U	0.95	0.52	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Vanadium	3.0	J	4.8	0.11	mg/Kg		02/06/14 11:53	02/07/14 21:16	1
Zinc	19	B	1.9	0.95	mg/Kg		02/06/14 11:53	02/07/14 21:16	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		01/29/14 13:25	02/04/14 15:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.016	mg/Kg		02/06/14 14:50	02/06/14 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	1.82		0.100	0.100	SU			01/23/14 17:23	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V26 LIQUID

Lab Sample ID: 240-33580-8

Matrix: Waste

Date Collected: 01/22/14 10:45

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.13	mg/L		01/29/14 08:11	01/30/14 11:15	2
Barium	0.30	J B	10	0.013	mg/L		01/29/14 08:11	01/30/14 10:18	1
Cadmium	0.10	U	0.10	0.013	mg/L		01/29/14 08:11	01/30/14 10:18	1
Chromium	0.85	B	0.50	0.044	mg/L		01/29/14 08:11	01/30/14 10:18	1
Lead	1.0	U	1.0	0.076	mg/L		01/29/14 08:11	01/30/14 11:15	2
Selenium	0.20	U L	0.20	0.16	mg/L		01/29/14 08:11	01/30/14 11:15	2
Silver	0.50	U	0.50	0.044	mg/L		01/29/14 08:11	01/30/14 10:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		19	8.9	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Antimony	0.93	U	0.93	0.36	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Arsenic	0.93	U	0.93	0.28	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Barium	0.65	J B	19	0.066	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Beryllium	0.46	U	0.46	0.040	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Cadmium	0.19	U	0.19	0.033	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Calcium	27	J	460	15	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Chromium	0.87		0.46	0.19	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Cobalt	4.6	U	4.6	0.15	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Copper	2.3	U	2.3	0.69	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Iron	8.5	J	9.3	4.5	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Lead	0.28	U	0.28	0.18	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Magnesium	5.8	J B	460	4.7	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Manganese	0.41	J	1.4	0.069	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Nickel	3.7	U	3.7	0.25	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Potassium	78	J B	460	5.7	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Selenium	0.46	U	0.46	0.42	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Silver	0.46	U	0.46	0.093	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Sodium	60000		2300	310	mg/Kg		02/06/14 11:53	02/10/14 10:01	5
Thallium	0.93	U	0.93	0.51	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Vanadium	9.8		4.6	0.11	mg/Kg		02/06/14 11:53	02/07/14 21:20	1
Zinc	48	B	1.9	0.93	mg/Kg		02/06/14 11:53	02/07/14 21:20	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.012	mg/L		01/29/14 13:25	02/04/14 15:12	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092	U	0.092	0.014	mg/Kg		02/06/14 14:50	02/06/14 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	13.6		0.100	0.100	SU			01/23/14 17:23	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: V26 SLUDGE

Lab Sample ID: 240-33580-9

Matrix: Waste

Date Collected: 01/22/14 10:45

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0034	J	0.025	0.0032	mg/L		01/29/14 08:06	01/30/14 16:38	1
Barium	0.0013	J B	0.50	0.00067	mg/L		01/29/14 08:06	01/30/14 16:38	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:06	01/30/14 16:38	1
Chromium	0.013	J	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:38	1
Lead	0.0036	J	0.025	0.0019	mg/L		01/29/14 08:06	01/30/14 16:38	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:06	01/30/14 16:38	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	82000		40	19	mg/Kg		02/06/14 11:53	02/10/14 10:05	2
Antimony	2.0	U	2.0	0.77	mg/Kg		02/06/14 11:53	02/10/14 10:05	2
Arsenic	2.0	U	2.0	0.59	mg/Kg		02/06/14 11:53	02/10/14 10:05	2
Barium	1.2	J B	20	0.070	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Beryllium	0.50	U	0.50	0.043	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Cadmium	0.068	J	0.20	0.036	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Calcium	79	J	500	16	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Chromium	11		0.50	0.20	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Cobalt	5.0	U	5.0	0.16	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Copper	35		2.5	0.73	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Iron	200		9.9	4.9	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Lead	2.1		0.59	0.38	mg/Kg		02/06/14 11:53	02/10/14 10:05	2
Magnesium	400	J B	500	5.0	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Manganese	31		1.5	0.073	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Nickel	5.7		4.0	0.27	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Potassium	49	J B	500	6.1	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Selenium	0.50	U	0.50	0.45	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Silver	0.50	U	0.50	0.099	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Sodium	49000		500	65	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Thallium	0.99	U L	0.99	0.54	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Vanadium	5.4		5.0	0.12	mg/Kg		02/06/14 11:53	02/07/14 21:24	1
Zinc	19	B	2.0	0.99	mg/Kg		02/06/14 11:53	02/07/14 21:24	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.015	mg/Kg		02/06/14 14:50	02/06/14 18:18	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V29

Date Collected: 01/22/14 11:25

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-10

Matrix: Waste

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0060	J B	0.025	0.0032	mg/L		01/29/14 08:11	01/30/14 10:22	1
Barium	0.078	J B	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 10:22	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 10:22	1
Chromium	0.23	B	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 10:22	1
Lead	0.0035	J	0.025	0.0019	mg/L		01/29/14 08:11	01/30/14 10:22	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:11	01/30/14 10:22	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 10:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2400		18	8.6	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Antimony	0.89	U	0.89	0.35	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Arsenic	0.89	U	0.89	0.27	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Barium	0.67	J B	18	0.063	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Beryllium	0.45	U	0.45	0.038	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Cadmium	0.18	U	0.18	0.032	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Calcium	230	J	450	14	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Chromium	11		0.45	0.18	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Cobalt	4.5	U	4.5	0.14	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Copper	2.2	U	2.2	0.66	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Iron	80		8.9	4.4	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Lead	0.27	U	0.27	0.17	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Magnesium	280	J B	450	4.6	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Manganese	1.9		1.3	0.066	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Nickel	2.2	J	3.6	0.24	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Potassium	26	J B	450	5.5	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Selenium	0.45	U	0.45	0.40	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Silver	0.45	U	0.45	0.089	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Sodium	6100		450	59	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Thallium	0.89	U	0.89	0.49	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Vanadium	0.25	J	4.5	0.11	mg/Kg		02/06/14 11:53	02/07/14 21:28	1
Zinc	3.1	B	1.8	0.89	mg/Kg		02/06/14 11:53	02/07/14 21:28	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	U	0.11	0.016	mg/Kg		02/06/14 14:50	02/06/14 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	7.53		0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V35

Date Collected: 01/22/14 11:33

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-11

Matrix: Waste

Method: 6010B - Metals (ICP) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0093	J B	0.025	0.0032	mg/L		01/29/14 08:11	01/30/14 10:26	1
Barium	0.080	J B	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 10:26	1
Cadmium	0.0066		0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 10:26	1
Chromium	0.16	B	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 10:26	1
Lead	0.35		0.025	0.0019	mg/L		01/29/14 08:11	01/30/14 10:26	1
Selenium	0.0043	J	0.0050	0.0041	mg/L		01/29/14 08:11	01/30/14 10:26	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 10:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		17	7.9	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Antimony	0.46	J B	0.83	0.32	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Arsenic	0.35	J	0.83	0.25	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Barium	0.22	J B	17	0.059	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Beryllium	0.41	U	0.41	0.036	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Cadmium	0.044	J	0.17	0.030	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Calcium	110	J	410	13	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Chromium	8.0		0.41	0.17	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Cobalt	0.20	J	4.1	0.13	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Copper	2.4		2.1	0.61	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Iron	700		8.3	4.0	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Lead	4.7		0.25	0.16	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Magnesium	100	J B	410	4.2	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Manganese	10		1.2	0.061	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Nickel	6.6		3.3	0.22	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Potassium	27	J B	410	5.1	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Selenium	0.41	U	0.41	0.37	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Silver	0.41	U	0.41	0.083	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Sodium	13000		410	55	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Thallium	0.83	U	0.83	0.45	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Vanadium	1.8	J	4.1	0.099	mg/Kg		02/06/14 11:53	02/07/14 21:40	1
Zinc	8.1	B	1.7	0.83	mg/Kg		02/06/14 11:53	02/07/14 21:40	1

Method: 7470A - Mercury (CVAA) - Solid Matrix - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	U	0.10	0.015	mg/Kg		02/06/14 14:50	02/06/14 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Corrosivity	4.10		0.100	0.100	SU			01/23/14 17:23	1

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Client Sample ID: WP-01

Lab Sample ID: 240-33580-12

Date Collected: 01/22/14 11:00

Matrix: Solid

Date Received: 01/23/14 09:50

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0042	J B	0.025	0.0032	mg/L		01/29/14 08:11	01/30/14 09:25	1
Barium	0.062	J B	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 09:25	1
Cadmium	0.0021	J	0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 09:25	1
Chromium	0.011	J B	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 09:25	1
Lead	0.021	J	0.025	0.0019	mg/L		01/29/14 08:11	01/30/14 09:25	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:11	01/30/14 09:25	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 09:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 14:53	1

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-117962/2-A

Matrix: Solid

Analysis Batch: 118101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117962

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.025	U	0.025	0.0032	mg/L		01/29/14 08:11	01/30/14 08:03	1
Barium	0.50	U	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 08:03	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 08:03	1
Chromium	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 08:03	1
Lead	0.025	U	0.025	0.0019	mg/L		01/29/14 08:11	01/30/14 08:03	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:11	01/30/14 08:03	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 08:03	1

Lab Sample ID: LCS 240-117962/3-A

Matrix: Solid

Analysis Batch: 118101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117962

Analyte	Spike		Result	Qualifier	Unit	D	%Rec	Limits	
	Added								
Arsenic	2.00		2.15		mg/L		108	50 - 150	
Barium	2.00		2.03		mg/L		101	50 - 150	
Cadmium	0.0500		0.053		mg/L		111	50 - 150	
Chromium	0.200		0.205		mg/L		102	50 - 150	
Lead	0.500		0.465		mg/L		93	50 - 150	
Selenium	2.00		2.15		mg/L		108	50 - 150	
Silver	0.0500		0.0540		mg/L		108	50 - 150	

Lab Sample ID: MB 240-118818/1-A

Matrix: Waste

Analysis Batch: 118920

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118818

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	20	U	20	9.6	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Antimony	0.434	J	1.0	0.39	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Arsenic	1.0	U	1.0	0.30	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Barium	0.518	J	20	0.071	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Beryllium	0.50	U	0.50	0.043	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Cadmium	0.20	U	0.20	0.036	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Calcium	500	U	500	16	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Chromium	0.50	U	0.50	0.20	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Cobalt	5.0	U	5.0	0.16	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Copper	2.5	U	2.5	0.74	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Iron	10	U	10	4.9	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Lead	0.30	U	0.30	0.19	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Magnesium	5.41	J	500	5.1	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Manganese	1.5	U	1.5	0.074	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Nickel	4.0	U	4.0	0.27	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Potassium	15.5	J	500	6.2	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Selenium	0.50	U	0.50	0.45	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Silver	0.50	U	0.50	0.10	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Sodium	500	U	500	66	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Thallium	1.0	U	1.0	0.55	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Vanadium	5.0	U	5.0	0.12	mg/Kg		02/06/14 11:53	02/07/14 10:33	1
Zinc	1.48	J	2.0	1.0	mg/Kg		02/06/14 11:53	02/07/14 10:33	1

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-118818/2-A

Matrix: Waste

Analysis Batch: 118920

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118818

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aluminum	200	193		mg/Kg		96	80 - 120
Antimony	50.0	48.7		mg/Kg		97	80 - 120
Arsenic	200	193		mg/Kg		96	80 - 120
Barium	200	195		mg/Kg		98	80 - 120
Beryllium	5.00	4.71		mg/Kg		94	80 - 120
Cadmium	5.00	5.01		mg/Kg		100	80 - 120
Calcium	5000	4780		mg/Kg		96	80 - 120
Chromium	20.0	19.3		mg/Kg		97	80 - 120
Cobalt	50.0	47.2		mg/Kg		94	80 - 120
Copper	25.0	24.4		mg/Kg		97	80 - 120
Iron	100	96.6		mg/Kg		97	80 - 120
Lead	50.0	46.6		mg/Kg		93	80 - 120
Magnesium	5000	4740		mg/Kg		95	80 - 120
Manganese	50.0	48.3		mg/Kg		97	80 - 120
Nickel	50.0	47.6		mg/Kg		95	80 - 120
Potassium	5000	4770		mg/Kg		95	80 - 120
Selenium	200	196		mg/Kg		98	80 - 120
Silver	5.00	4.80		mg/Kg		96	80 - 120
Sodium	5000	4770		mg/Kg		95	80 - 120
Thallium	200	184		mg/Kg		92	80 - 120
Vanadium	50.0	49.1		mg/Kg		98	80 - 120
Zinc	50.0	49.4		mg/Kg		99	80 - 120

Lab Sample ID: 240-33882-F-1-B MS

Matrix: Waste

Analysis Batch: 118920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 118818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Aluminum	2600		177	3350	4	mg/Kg		428	75 - 125
Antimony	0.91	U	44.2	25.3	F1	mg/Kg		57	75 - 125
Arsenic	5.5		177	157		mg/Kg		86	75 - 125
Barium	43	B	177	196		mg/Kg		87	75 - 125
Beryllium	0.18	J	4.42	3.87		mg/Kg		83	75 - 125
Cadmium	0.40		4.42	4.33		mg/Kg		89	75 - 125
Calcium	4900		4420	7030	F1	mg/Kg		48	75 - 125
Chromium	8.2		17.7	24.9		mg/Kg		95	75 - 125
Cobalt	1.7	J	44.2	40.0		mg/Kg		87	75 - 125
Copper	24		22.1	45.3		mg/Kg		96	75 - 125
Iron	5400		88.5	5130	4	mg/Kg		-272	75 - 125
Lead	120		44.2	156		mg/Kg		79	75 - 125
Magnesium	1400	B	4420	5160		mg/Kg		85	75 - 125
Manganese	180		44.2	207	4	mg/Kg		52	75 - 125
Nickel	4.9		44.2	44.2		mg/Kg		89	75 - 125
Potassium	170	J B	4420	4010		mg/Kg		87	75 - 125
Selenium	0.45	U	177	153		mg/Kg		87	75 - 125
Silver	0.45	U	4.42	3.90		mg/Kg		88	75 - 125
Sodium	64	J	4420	3840		mg/Kg		85	75 - 125
Thallium	0.91	U	177	152		mg/Kg		86	75 - 125

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-33882-F-1-B MS

Matrix: Waste

Analysis Batch: 118920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 118818

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Vanadium	6.8		44.2	45.1		mg/Kg		87	75 - 125
Zinc	69	B	44.2	112		mg/Kg		98	75 - 125

Lab Sample ID: 240-33882-F-1-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 118920

Prep Batch: 118818

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Aluminum	2600		177	3100	4	mg/Kg		290	75 - 125	8	20
Antimony	0.91	U	44.2	27.5	F1	mg/Kg		62	75 - 125	9	20
Arsenic	5.5		177	162		mg/Kg		88	75 - 125	3	20
Barium	43	B	177	200		mg/Kg		89	75 - 125	2	20
Beryllium	0.18	J	4.42	3.98		mg/Kg		86	75 - 125	3	20
Cadmium	0.40		4.42	4.42		mg/Kg		91	75 - 125	2	20
Calcium	4900		4420	7020	F1	mg/Kg		48	75 - 125	0	20
Chromium	8.2		17.7	23.1		mg/Kg		84	75 - 125	8	20
Cobalt	1.7	J	44.2	42.2		mg/Kg		92	75 - 125	5	20
Copper	24		22.1	43.5		mg/Kg		88	75 - 125	4	20
Iron	5400		88.5	4600	4	mg/Kg		-875	75 - 125	11	20
Lead	120		44.2	151	F1	mg/Kg		67	75 - 125	4	20
Magnesium	1400	B	4420	5160		mg/Kg		85	75 - 125	0	20
Manganese	180		44.2	182	4	mg/Kg		-6	75 - 125	13	20
Nickel	4.9		44.2	45.0		mg/Kg		91	75 - 125	2	20
Potassium	170	J B	4420	4110		mg/Kg		89	75 - 125	3	20
Selenium	0.45	U	177	159		mg/Kg		90	75 - 125	3	20
Silver	0.45	U	4.42	4.06		mg/Kg		92	75 - 125	4	20
Sodium	64	J	4420	3950		mg/Kg		88	75 - 125	3	20
Thallium	0.91	U	177	157		mg/Kg		89	75 - 125	3	20
Vanadium	6.8		44.2	45.5		mg/Kg		87	75 - 125	1	20
Zinc	69	B	44.2	109		mg/Kg		92	75 - 125	2	20

Lab Sample ID: LB 240-117930/1-C

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: TCLP

Analysis Batch: 118101

Prep Batch: 117962

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.00505	J	0.025	0.0032	mg/L		01/29/14 08:11	01/30/14 07:59	1
Barium	0.00280	J	0.50	0.00067	mg/L		01/29/14 08:11	01/30/14 07:59	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:11	01/30/14 07:59	1
Chromium	0.00983	J	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 07:59	1
Lead	0.025	U	0.025	0.0019	mg/L		01/29/14 08:11	01/30/14 07:59	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:11	01/30/14 07:59	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:11	01/30/14 07:59	1

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-33580-12 MS

Matrix: Solid

Analysis Batch: 118101

Client Sample ID: WP-01

Prep Type: TCLP

Prep Batch: 117962

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier					
Arsenic	0.0042	J B	5.00	5.63		mg/L		113	50 - 150	
Barium	0.062	J B	50.0	38.2		mg/L		76	50 - 150	
Cadmium	0.0021	J	1.00	1.18		mg/L		118	50 - 150	
Chromium	0.011	J B	5.00	5.00		mg/L		100	50 - 150	
Lead	0.021	J	5.00	4.84		mg/L		96	50 - 150	
Selenium	0.0050	U	1.00	1.08		mg/L		108	50 - 150	
Silver	0.025	U	1.00	1.12		mg/L		112	50 - 150	

Lab Sample ID: 240-33580-12 MSD

Matrix: Solid

Analysis Batch: 118101

Client Sample ID: WP-01

Prep Type: TCLP

Prep Batch: 117962

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Arsenic	0.0042	J B	5.00	5.61		mg/L		112	50 - 150	0	20
Barium	0.062	J B	50.0	37.4		mg/L		75	50 - 150	2	20
Cadmium	0.0021	J	1.00	1.18		mg/L		117	50 - 150	0	20
Chromium	0.011	J B	5.00	4.99		mg/L		100	50 - 150	0	20
Lead	0.021	J	5.00	4.88		mg/L		97	50 - 150	1	20
Selenium	0.0050	U	1.00	1.09		mg/L		109	50 - 150	1	20
Silver	0.025	U	1.00	1.11		mg/L		111	50 - 150	0	20

Method: 6010B - Metals (ICP) - Solid Matrix

Lab Sample ID: MB 240-117957/2-A

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 118101

Prep Batch: 117957

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.025	U	0.025	0.0032	mg/L		01/29/14 08:06	01/30/14 16:22	1
Barium	0.50	U	0.50	0.00067	mg/L		01/29/14 08:06	01/30/14 16:22	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:06	01/30/14 16:22	1
Chromium	0.025	U	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:22	1
Lead	0.025	U	0.025	0.0019	mg/L		01/29/14 08:06	01/30/14 16:22	1
Selenium	0.0050	U	0.0050	0.0041	mg/L		01/29/14 08:06	01/30/14 16:22	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:22	1

Lab Sample ID: LCS 240-117957/3-A

Client Sample ID: Lab Control Sample

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 118101

Prep Batch: 117957

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Arsenic	2.00	2.21		mg/L		111	50 - 150
Barium	2.00	2.20		mg/L		110	50 - 150
Cadmium	0.0500	0.0577		mg/L		115	50 - 150
Chromium	0.200	0.210		mg/L		105	50 - 150
Lead	0.500	0.517		mg/L		103	50 - 150
Selenium	2.00	2.25		mg/L		112	50 - 150
Silver	0.0500	0.0533		mg/L		107	50 - 150

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 6010B - Metals (ICP) - Solid Matrix (Continued)

Lab Sample ID: LB 240-117931/1-B

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118101

Prep Batch: 117957

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.025	U	0.025	0.0032	mg/L		01/29/14 08:06	01/30/14 16:17	1
Barium	0.00976	J	0.50	0.00067	mg/L		01/29/14 08:06	01/30/14 16:17	1
Cadmium	0.0050	U	0.0050	0.00066	mg/L		01/29/14 08:06	01/30/14 16:17	1
Chromium	0.025	U	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:17	1
Lead	0.025	U	0.025	0.0019	mg/L		01/29/14 08:06	01/30/14 16:17	1
Selenium	0.00501		0.0050	0.0041	mg/L		01/29/14 08:06	01/30/14 16:17	1
Silver	0.025	U	0.025	0.0022	mg/L		01/29/14 08:06	01/30/14 16:17	1

Lab Sample ID: 240-33580-9 MS

Client Sample ID: V26 SLUDGE

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118101

Prep Batch: 117957

Analyte	Sample		Spike Added	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Arsenic	0.0034	J	5.00	5.50		mg/L		110	50 - 150
Barium	0.0013	J B	50.0	53.8		mg/L		108	50 - 150
Cadmium	0.0050	U	1.00	1.11		mg/L		111	50 - 150
Chromium	0.013	J	5.00	5.12		mg/L		102	50 - 150
Lead	0.0036	J	5.00	4.97		mg/L		99	50 - 150
Selenium	0.0050	U	1.00	1.10		mg/L		110	50 - 150
Silver	0.025	U	1.00	1.10		mg/L		110	50 - 150

Lab Sample ID: 240-33580-9 MSD

Client Sample ID: V26 SLUDGE

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118101

Prep Batch: 117957

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Arsenic	0.0034	J	5.00	5.48		mg/L		110	50 - 150	0	20
Barium	0.0013	J B	50.0	53.7		mg/L		107	50 - 150	0	20
Cadmium	0.0050	U	1.00	1.12		mg/L		112	50 - 150	0	20
Chromium	0.013	J	5.00	5.07		mg/L		101	50 - 150	1	20
Lead	0.0036	J	5.00	4.95		mg/L		99	50 - 150	0	20
Selenium	0.0050	U	1.00	1.10		mg/L		110	50 - 150	0	20
Silver	0.025	U	1.00	1.10		mg/L		110	50 - 150	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-117968/2-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118548

Prep Batch: 117968

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 14:49	1

Lab Sample ID: LCS 240-117968/3-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118548

Prep Batch: 117968

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
	Added							
Mercury	0.00500		0.00465		mg/L	93	50 - 150	

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 240-117930/1-D

Matrix: Solid

Analysis Batch: 118548

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 117968

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 14:48	1

Lab Sample ID: 240-33580-12 MS

Matrix: Solid

Analysis Batch: 118548

Client Sample ID: WP-01

Prep Type: TCLP

Prep Batch: 117968

Analyte	Sample		Spike Added	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Mercury	0.0020	U	0.00500	0.00497		mg/L		99	50 - 150

Lab Sample ID: 240-33580-12 MSD

Matrix: Solid

Analysis Batch: 118548

Client Sample ID: WP-01

Prep Type: TCLP

Prep Batch: 117968

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Mercury	0.0020	U	0.00500	0.00487		mg/L		97	50 - 150	2	20

Method: 7470A - Mercury (CVAA) - Solid Matrix

Lab Sample ID: MB 240-117960/2-A

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 118548

Prep Batch: 117960

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:41	1

Lab Sample ID: LCS 240-117960/3-A

Client Sample ID: Lab Control Sample

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 118548

Prep Batch: 117960

Analyte	Spike		LCS Added	LCS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Mercury			0.00500	0.00504		mg/L		101	50 - 150

Lab Sample ID: LB 240-117931/1-C

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118548

Prep Batch: 117960

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0020	U	0.0020	0.00012	mg/L		01/29/14 13:25	02/04/14 15:36	1

Lab Sample ID: 240-33580-9 MS

Client Sample ID: V26 SLUDGE

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118548

Prep Batch: 117960

Analyte	Spike		MS	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Mercury			0.00500	0.00449		mg/L		90	50 - 150

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Method: 7470A - Mercury (CVAA) - Solid Matrix (Continued)

Lab Sample ID: 240-33580-9 MSD

Client Sample ID: V26 SLUDGE

Matrix: Waste

Prep Type: TCLP

Analysis Batch: 118548

Prep Batch: 117960

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	RPD		
	Result	Qualifier	Added	Result	Qualifier			Limits	RPD Limit		
Mercury	0.0020	U	0.00500	0.00457		mg/L		91	50 - 150	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-118836/1-A

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 119099

Prep Batch: 118836

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.10	U	0.10	0.015	mg/Kg		02/06/14 14:50	02/06/14 17:39	1

Lab Sample ID: LCS 240-118836/2-A

Client Sample ID: Lab Control Sample

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 119099

Prep Batch: 118836

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	
	Added	Result	Qualifier			Limits	
Mercury	0.833	0.840		mg/Kg		101	73 - 121

Lab Sample ID: 240-33846-F-2-F MS

Client Sample ID: Matrix Spike

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 119099

Prep Batch: 118836

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	
	Result	Qualifier	Added	Result	Qualifier			Limits	
Mercury	0.12	U	0.185	0.216		mg/Kg		117	30 - 134

Lab Sample ID: 240-33846-F-2-G MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 119099

Prep Batch: 118836

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	
	Result	Qualifier	Added	Result	Qualifier			Limits	
Mercury	0.12	U	0.185	0.205		mg/Kg		111	30 - 134

Method: 9040C - Corrosivity as pH

Lab Sample ID: LCS 240-117494/2

Client Sample ID: Lab Control Sample

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 117494

Prep Batch: 118836

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	
	Added	Result	Qualifier			Limits	
Corrosivity	6.47	6.470		SU		100	97 - 103

Lab Sample ID: 240-33580-6 DU

Client Sample ID: V04 DUP

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 117494

Prep Batch: 118836

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD Limit	
Corrosivity	0.100	U	0.100	U	SU		NC	20

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Metals

Leach Batch: 117930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	TCLP	Waste	1311	5
240-33580-2	T37	TCLP	Waste	1311	5
240-33580-3	V11	TCLP	Waste	1311	5
240-33580-4	V03	TCLP	Waste	1311	5
240-33580-5	V04	TCLP	Waste	1311	5
240-33580-6	V04 DUP	TCLP	Waste	1311	5
240-33580-7	V27	TCLP	Waste	1311	5
240-33580-8	V26 LIQUID	TCLP	Waste	1311	5
240-33580-10	V29	TCLP	Waste	1311	5
240-33580-11	V35	TCLP	Waste	1311	5
240-33580-12	WP-01	TCLP	Solid	1311	5
240-33580-12 MS	WP-01	TCLP	Solid	1311	5
240-33580-12 MSD	WP-01	TCLP	Solid	1311	5
LB 240-117930/1-C	Method Blank	TCLP	Solid	1311	5
LB 240-117930/1-D	Method Blank	TCLP	Solid	1311	5

Leach Batch: 117931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-9	V26 SLUDGE	TCLP	Waste	1311	13
240-33580-9 MS	V26 SLUDGE	TCLP	Waste	1311	13
240-33580-9 MSD	V26 SLUDGE	TCLP	Waste	1311	13
LB 240-117931/1-B	Method Blank	TCLP	Waste	1311	13
LB 240-117931/1-C	Method Blank	TCLP	Waste	1311	13

Prep Batch: 117957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-9	V26 SLUDGE	TCLP	Waste	3010A	117931
240-33580-9 MS	V26 SLUDGE	TCLP	Waste	3010A	117931
240-33580-9 MSD	V26 SLUDGE	TCLP	Waste	3010A	117931
LB 240-117931/1-B	Method Blank	TCLP	Waste	3010A	117931
LCS 240-117957/3-A	Lab Control Sample	Total/NA	Waste	3010A	
MB 240-117957/2-A	Method Blank	Total/NA	Waste	3010A	

Prep Batch: 117960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-9	V26 SLUDGE	TCLP	Waste	7470A	117931
240-33580-9 MS	V26 SLUDGE	TCLP	Waste	7470A	117931
240-33580-9 MSD	V26 SLUDGE	TCLP	Waste	7470A	117931
LB 240-117931/1-C	Method Blank	TCLP	Waste	7470A	117931
LCS 240-117960/3-A	Lab Control Sample	Total/NA	Waste	7470A	
MB 240-117960/2-A	Method Blank	Total/NA	Waste	7470A	

Prep Batch: 117962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	TCLP	Waste	3010A	117930
240-33580-2	T37	TCLP	Waste	3010A	117930
240-33580-3	V11	TCLP	Waste	3010A	117930
240-33580-4	V03	TCLP	Waste	3010A	117930
240-33580-5	V04	TCLP	Waste	3010A	117930
240-33580-6	V04 DUP	TCLP	Waste	3010A	117930
240-33580-7	V27	TCLP	Waste	3010A	117930

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Metals (Continued)

Prep Batch: 117962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-8	V26 LIQUID	TCLP	Waste	3010A	117930
240-33580-10	V29	TCLP	Waste	3010A	117930
240-33580-11	V35	TCLP	Waste	3010A	117930
240-33580-12	WP-01	TCLP	Solid	3010A	117930
240-33580-12 MS	WP-01	TCLP	Solid	3010A	117930
240-33580-12 MSD	WP-01	TCLP	Solid	3010A	117930
LB 240-117930/1-C	Method Blank	TCLP	Solid	3010A	117930
LCS 240-117962/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 240-117962/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 117968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	TCLP	Waste	7470A	117930
240-33580-2	T37	TCLP	Waste	7470A	117930
240-33580-3	V11	TCLP	Waste	7470A	117930
240-33580-4	V03	TCLP	Waste	7470A	117930
240-33580-5	V04	TCLP	Waste	7470A	117930
240-33580-6	V04 DUP	TCLP	Waste	7470A	117930
240-33580-7	V27	TCLP	Waste	7470A	117930
240-33580-8	V26 LIQUID	TCLP	Waste	7470A	117930
240-33580-10	V29	TCLP	Waste	7470A	117930
240-33580-11	V35	TCLP	Waste	7470A	117930
240-33580-12	WP-01	TCLP	Solid	7470A	117930
240-33580-12 MS	WP-01	TCLP	Solid	7470A	117930
240-33580-12 MSD	WP-01	TCLP	Solid	7470A	117930
LB 240-117930/1-D	Method Blank	TCLP	Solid	7470A	117930
LCS 240-117968/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 240-117968/2-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 118101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	TCLP	Waste	6010B	117962
240-33580-1	V09	TCLP	Waste	6010B	117962
240-33580-2	T37	TCLP	Waste	6010B	117962
240-33580-2	T37	TCLP	Waste	6010B	117962
240-33580-3	V11	TCLP	Waste	6010B	117962
240-33580-3	V11	TCLP	Waste	6010B	117962
240-33580-4	V03	TCLP	Waste	6010B	117962
240-33580-4	V03	TCLP	Waste	6010B	117962
240-33580-5	V04	TCLP	Waste	6010B	117962
240-33580-5	V04	TCLP	Waste	6010B	117962
240-33580-6	V04 DUP	TCLP	Waste	6010B	117962
240-33580-6	V04 DUP	TCLP	Waste	6010B	117962
240-33580-7	V27	TCLP	Waste	6010B	117962
240-33580-7	V27	TCLP	Waste	6010B	117962
240-33580-8	V26 LIQUID	TCLP	Waste	6010B	117962
240-33580-8	V26 LIQUID	TCLP	Waste	6010B	117962
240-33580-9	V26 SLUDGE	TCLP	Waste	6010B	117957
240-33580-9 MS	V26 SLUDGE	TCLP	Waste	6010B	117957
240-33580-9 MSD	V26 SLUDGE	TCLP	Waste	6010B	117957
240-33580-10	V29	TCLP	Waste	6010B	117962

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Metals (Continued)

Analysis Batch: 118101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-11	V35	TCLP	Waste	6010B	117962
240-33580-12	WP-01	TCLP	Solid	6010B	117962
240-33580-12 MS	WP-01	TCLP	Solid	6010B	117962
240-33580-12 MSD	WP-01	TCLP	Solid	6010B	117962
LB 240-117930/1-C	Method Blank	TCLP	Solid	6010B	117962
LB 240-117931/1-B	Method Blank	TCLP	Waste	6010B	117957
LCS 240-117957/3-A	Lab Control Sample	Total/NA	Waste	6010B	117957
LCS 240-117962/3-A	Lab Control Sample	Total/NA	Solid	6010B	117962
MB 240-117957/2-A	Method Blank	Total/NA	Waste	6010B	117957
MB 240-117962/2-A	Method Blank	Total/NA	Solid	6010B	117962

Analysis Batch: 118548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	TCLP	Waste	7470A	117968
240-33580-2	T37	TCLP	Waste	7470A	117968
240-33580-3	V11	TCLP	Waste	7470A	117968
240-33580-4	V03	TCLP	Waste	7470A	117968
240-33580-5	V04	TCLP	Waste	7470A	117968
240-33580-6	V04 DUP	TCLP	Waste	7470A	117968
240-33580-7	V27	TCLP	Waste	7470A	117968
240-33580-8	V26 LIQUID	TCLP	Waste	7470A	117968
240-33580-9	V26 SLUDGE	TCLP	Waste	7470A	117960
240-33580-9 MS	V26 SLUDGE	TCLP	Waste	7470A	117960
240-33580-9 MSD	V26 SLUDGE	TCLP	Waste	7470A	117960
240-33580-10	V29	TCLP	Waste	7470A	117968
240-33580-11	V35	TCLP	Waste	7470A	117968
240-33580-12	WP-01	TCLP	Solid	7470A	117968
240-33580-12 MS	WP-01	TCLP	Solid	7470A	117968
240-33580-12 MSD	WP-01	TCLP	Solid	7470A	117968
LB 240-117930/1-D	Method Blank	TCLP	Solid	7470A	117968
LB 240-117931/1-C	Method Blank	TCLP	Waste	7470A	117960
LCS 240-117960/3-A	Lab Control Sample	Total/NA	Waste	7470A	117960
LCS 240-117968/3-A	Lab Control Sample	Total/NA	Solid	7470A	117968
MB 240-117960/2-A	Method Blank	Total/NA	Waste	7470A	117960
MB 240-117968/2-A	Method Blank	Total/NA	Solid	7470A	117968

Prep Batch: 118818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	Total/NA	Waste	3050B	
240-33580-2	T37	Total/NA	Waste	3050B	
240-33580-3	V11	Total/NA	Waste	3050B	
240-33580-4	V03	Total/NA	Waste	3050B	
240-33580-5	V04	Total/NA	Waste	3050B	
240-33580-6	V04 DUP	Total/NA	Waste	3050B	
240-33580-7	V27	Total/NA	Waste	3050B	
240-33580-8	V26 LIQUID	Total/NA	Waste	3050B	
240-33580-9	V26 SLUDGE	Total/NA	Waste	3050B	
240-33580-10	V29	Total/NA	Waste	3050B	
240-33580-11	V35	Total/NA	Waste	3050B	
240-33882-F-1-B MS	Matrix Spike	Total/NA	Waste	3050B	
240-33882-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Waste	3050B	

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-33580-1

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

Metals (Continued)

Prep Batch: 118818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-118818/2-A	Lab Control Sample	Total/NA	Waste	3050B	
MB 240-118818/1-A	Method Blank	Total/NA	Waste	3050B	

Prep Batch: 118836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	Total/NA	Waste	7471A	
240-33580-2	T37	Total/NA	Waste	7471A	
240-33580-3	V11	Total/NA	Waste	7471A	
240-33580-4	V03	Total/NA	Waste	7471A	
240-33580-5	V04	Total/NA	Waste	7471A	
240-33580-6	V04 DUP	Total/NA	Waste	7471A	
240-33580-7	V27	Total/NA	Waste	7471A	
240-33580-8	V26 LIQUID	Total/NA	Waste	7471A	
240-33580-9	V26 SLUDGE	Total/NA	Waste	7471A	
240-33580-10	V29	Total/NA	Waste	7471A	
240-33580-11	V35	Total/NA	Waste	7471A	
240-33846-F-2-F MS	Matrix Spike	Total/NA	Waste	7471A	
240-33846-F-2-G MSD	Matrix Spike Duplicate	Total/NA	Waste	7471A	
LCS 240-118836/2-A	Lab Control Sample	Total/NA	Waste	7471A	
MB 240-118836/1-A	Method Blank	Total/NA	Waste	7471A	

Analysis Batch: 118920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	Total/NA	Waste	6010B	118818
240-33580-2	T37	Total/NA	Waste	6010B	118818
240-33580-3	V11	Total/NA	Waste	6010B	118818
240-33580-4	V03	Total/NA	Waste	6010B	118818
240-33580-5	V04	Total/NA	Waste	6010B	118818
240-33580-6	V04 DUP	Total/NA	Waste	6010B	118818
240-33580-7	V27	Total/NA	Waste	6010B	118818
240-33580-8	V26 LIQUID	Total/NA	Waste	6010B	118818
240-33580-9	V26 SLUDGE	Total/NA	Waste	6010B	118818
240-33580-10	V29	Total/NA	Waste	6010B	118818
240-33580-11	V35	Total/NA	Waste	6010B	118818
240-33882-F-1-B MS	Matrix Spike	Total/NA	Waste	6010B	118818
240-33882-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Waste	6010B	118818
LCS 240-118818/2-A	Lab Control Sample	Total/NA	Waste	6010B	118818
MB 240-118818/1-A	Method Blank	Total/NA	Waste	6010B	118818

Analysis Batch: 119099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	Total/NA	Waste	7471A	118836
240-33580-2	T37	Total/NA	Waste	7471A	118836
240-33580-3	V11	Total/NA	Waste	7471A	118836
240-33580-4	V03	Total/NA	Waste	7471A	118836
240-33580-5	V04	Total/NA	Waste	7471A	118836
240-33580-6	V04 DUP	Total/NA	Waste	7471A	118836
240-33580-7	V27	Total/NA	Waste	7471A	118836
240-33580-8	V26 LIQUID	Total/NA	Waste	7471A	118836
240-33580-9	V26 SLUDGE	Total/NA	Waste	7471A	118836
240-33580-10	V29	Total/NA	Waste	7471A	118836

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Metals (Continued)

Analysis Batch: 119099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-11	V35	Total/NA	Waste	7471A	118836
240-33846-F-2-F MS	Matrix Spike	Total/NA	Waste	7471A	118836
240-33846-F-2-G MSD	Matrix Spike Duplicate	Total/NA	Waste	7471A	118836
LCS 240-118836/2-A	Lab Control Sample	Total/NA	Waste	7471A	118836
MB 240-118836/1-A	Method Blank	Total/NA	Waste	7471A	118836

Analysis Batch: 119199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-8	V26 LIQUID	Total/NA	Waste	6010B	118818
240-33580-9	V26 SLUDGE	Total/NA	Waste	6010B	118818

General Chemistry

Analysis Batch: 117494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-33580-1	V09	Total/NA	Waste	9040C	12
240-33580-2	T37	Total/NA	Waste	9040C	13
240-33580-3	V11	Total/NA	Waste	9040C	13
240-33580-4	V03	Total/NA	Waste	9040C	13
240-33580-5	V04	Total/NA	Waste	9040C	13
240-33580-6	V04 DUP	Total/NA	Waste	9040C	13
240-33580-6 DU	V04 DUP	Total/NA	Waste	9040C	13
240-33580-7	V27	Total/NA	Waste	9040C	13
240-33580-8	V26 LIQUID	Total/NA	Waste	9040C	13
240-33580-10	V29	Total/NA	Waste	9040C	13
240-33580-11	V35	Total/NA	Waste	9040C	13
LCS 240-117494/2	Lab Control Sample	Total/NA	Waste	9040C	13

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V09

Date Collected: 01/22/14 09:00

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-1

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		20	118101	01/30/14 09:41	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Analysis	6010B		50	118101	01/30/14 10:39	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 14:57	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 20:53	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 17:53	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: T37

Date Collected: 01/22/14 09:15

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-2

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 09:45	KLC	TAL CAN
TCLP	Analysis	6010B		20	118101	01/30/14 10:51	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:02	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 20:57	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 17:55	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V11

Date Collected: 01/22/14 09:32

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-3

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		10	118101	01/30/14 09:49	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Analysis	6010B		50	118101	01/30/14 10:55	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:03	AMM2	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V11

Date Collected: 01/22/14 09:32

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-3

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:01	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 17:57	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V03

Date Collected: 01/22/14 09:50

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-4

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 10:02	KLC	TAL CAN
TCLP	Analysis	6010B		10	118101	01/30/14 10:59	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:05	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:05	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 17:59	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V04

Date Collected: 01/22/14 10:05

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-5

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		4	118101	01/30/14 10:06	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Analysis	6010B		50	118101	01/30/14 11:03	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:07	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:09	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:07	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V04 DUP

Date Collected: 01/22/14 10:05

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-6

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Analysis	6010B		4	118101	01/30/14 10:10	KLC	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		50	118101	01/30/14 11:07	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:09	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:13	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:10	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V27

Date Collected: 01/22/14 10:20

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-7

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 10:14	KLC	TAL CAN
TCLP	Analysis	6010B		50	118101	01/30/14 11:11	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:10	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:16	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:12	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V26 LIQUID

Date Collected: 01/22/14 10:45

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-8

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 10:18	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Analysis	6010B		2	118101	01/30/14 11:15	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:12	AMM2	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V26 LIQUID

Date Collected: 01/22/14 10:45

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-8

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:20	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:15	AMM2	TAL CAN
Total/NA	Analysis	6010B		5	119199	02/10/14 10:01	KLC	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: V26 SLUDGE

Date Collected: 01/22/14 10:45

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-9

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117931	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117957	01/29/14 08:06	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 16:38	KLC	TAL CAN
TCLP	Leach	1311			117931	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117960	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:44	AMM2	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:24	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:18	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		2	119199	02/10/14 10:05	KLC	TAL CAN

Client Sample ID: V29

Date Collected: 01/22/14 11:25

Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-10

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 10:22	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:14	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:28	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:20	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Client Sample ID: V35

Date Collected: 01/22/14 11:33
 Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-11

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 10:26	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 15:16	AMM2	TAL CAN
Total/NA	Prep	3050B			118818	02/06/14 11:53	DEE	TAL CAN
Total/NA	Analysis	6010B		1	118920	02/07/14 21:40	KLC	TAL CAN
Total/NA	Prep	7471A			118836	02/06/14 14:50	DEE	TAL CAN
Total/NA	Analysis	7471A		1	119099	02/06/14 18:22	AMM2	TAL CAN
Total/NA	Analysis	9040C		1	117494	01/23/14 17:23	LCN	TAL CAN

Client Sample ID: WP-01

Date Collected: 01/22/14 11:00
 Date Received: 01/23/14 09:50

Lab Sample ID: 240-33580-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	3010A			117962	01/29/14 08:11	LPM	TAL CAN
TCLP	Analysis	6010B		1	118101	01/30/14 09:25	KLC	TAL CAN
TCLP	Leach	1311			117930	01/28/14 16:45	DRJ	TAL CAN
TCLP	Prep	7470A			117968	01/29/14 13:25	LPM	TAL CAN
TCLP	Analysis	7470A		1	118548	02/04/14 14:53	AMM2	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Ohio EPA-NEDO

Project/Site: 7860 Empire Pkwy - TNE-140122-HW

TestAmerica Job ID: 240-33580-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	04-01-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	02-28-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Canton

Pre-Test		% Dry Solids		Leach Start		Leach Finish		Comments	
Batch #	BLANK	Sample ID	Parameters	Matrix	Wt (g) Sample	Wt (g) Filter	Wt (g) Filter + Particulates	% Dry Solids	
Water	BLANK	pH after heating	Wt (g) Sample	Wt (g) Filter	Wt (g) Filter + Particulates	Wt (g)			
pH after water	BLANK	Wt (g) Sample	Wt (g) Filter	Wt (g) Filter + Particulates	Wt (g)				
BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
Date On	E	Buffer ID	Time On	Initials On	Date Off	Time Off	PH Off	Initials Off	Tumbler ID
01/28/14	1355227	17:30	jdp	jdp	01/29/14	9:35	7	jdp	-

Page 46 of 56

TCLP SW846 Method 1311, SPLPE SW846 Method 1312 SPLPW SW846 Method 1312 18-hour D₁ Leach ASTM Method D3987-85.
Balance ID: B034
OH Meter SN: 1228205055

* Filtrate volume only needed when filtrate is incompatible with leachate



E X T C L P B U F F 1 - 0 0 1 0 4

Reagent ID: EXTCLPBUFF1_00104

Description:	Extraction Fluid #1 pH 4.88 - 4.98	Expiration Date:	01/28/2014
No. of Bottles:	1	Laboratory:	TestAmerica Canton
Storage Location:	TCLP Room	Prepared By:	Jones, Diane
Reagent Volume:	48.000 L	Solvent:	DIWATER
Creation Date:	01/28/2014	Solvent Lot:	01282014
Container(s):	1360320		
Comment:	pH = 4.89		

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Sodium Hydroxide	EXTCLP5MNAOH_00007	01/14/2015	200.00000	mol/L	0.31312	%
Acetic acid	EXTCLPACETIC_00009	11/26/2016	1.00000	g/g	0.57000	%

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
EXTCLP5MNAOH_0007	5M NaOH		01/14/15				751.49000	g
EXTCLPACETIC_0009	Glacial Acetic Acid for TCLP	Other	11/26/16	Macron	0000024588		273.60000	mL



E X T C L P B U F F 2 - 0 0 0 4 7

Reagent ID: EXTCLPBUFF2_00047

Description:	Extraction Fluid #2 pH 2.83 - 2.93	Expiration Date:	01/28/2014
No. of Bottles:	1	Laboratory:	TestAmerica Canton
Storage Location:	TCLP Room	Prepared By:	Jones, Diane
Reagent Volume:	24.000 L	Solvent:	DIWATER
Creation Date:	01/28/2014	Solvent Lot:	01282014
Container(s):	1360321		
Comment:	pH = 2.84		

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Acetic acid	EXTCLPACETIC_00009	11/26/2016	1.00000	g/g	0.57000	%

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
EXTCLPACETIC_00009	Glacial Acetic Acid for TCLP	Other	11/26/16	Macron	0000024588		136.80000	mL

Date/Time	Date/Time	TCLP Room	Power
1/28/2014 0:54		23.5	On
1/28/2014 1:54		23.5	On
1/28/2014 2:54		23.3	On
1/28/2014 3:54		23.5	On
1/28/2014 4:53		23.5	On
1/28/2014 5:53		22.9	On
1/28/2014 6:53		23.3	On
1/28/2014 7:53		23.5	On
1/28/2014 8:53		23.7	On
1/28/2014 9:52		23.7	On
1/28/2014 10:52		23	On
1/28/2014 11:52		22.9	On
1/28/2014 12:52		23.5	On
1/28/2014 13:51		23.7	On
1/28/2014 13:57		24.2	On
1/28/2014 14:57		24.1	On
1/28/2014 15:57		23.8	On
1/28/2014 16:57		24.2	On
1/28/2014 17:57		23.9	On
1/28/2014 18:56		23.9	On
1/28/2014 19:56		23.5	On
1/28/2014 20:56		23.2	On
1/28/2014 21:56		23.3	On
1/28/2014 22:56		23.5	On
1/28/2014 23:55		23.5	On
1/29/2014 0:55		23.4	On
1/29/2014 1:55		23.5	On
1/29/2014 2:55		23.5	On
1/29/2014 3:55		23.3	On
1/29/2014 4:54		23.2	On
1/29/2014 5:54		23.7	On
1/29/2014 6:54		23.4	On
1/29/2014 7:54		23.5	On
1/29/2014 8:54		23.4	On
1/29/2014 9:53		23.3	On
1/29/2014 10:53		23.5	On
1/29/2014 11:53		23.1	On
1/29/2014 12:53		23	On
1/29/2014 13:53		23.3	On
1/29/2014 14:52		23.3	On
1/29/2014 15:52		23.7	On
1/29/2014 16:52		23.8	On
1/29/2014 17:52		24	On
1/29/2014 18:51		24.1	On
1/29/2014 19:51		23.7	On
1/29/2014 20:51		23.5	On
1/29/2014 21:51		24	On
1/29/2014 22:51		23.7	On
1/29/2014 23:50		23.2	On

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton

Job No.: 240-33580-1

SDG No.: _____

Instrument ID: Randolph Method: 9040C

Start Date: 01/23/2014 11:27 End Date: 01/23/2014 17:23

Lab Sample ID	D / F	T Y p e	Time	Analytes														
				C	o	r	r											
CCV 240-117494/1	1		11:27	X														
LCS 240-117494/2	1	T	11:27	X														
ZZZZZZ			11:27															
ZZZZZZ			11:27															
ZZZZZZ			11:27															
ZZZZZZ			14:53															
ZZZZZZ			14:53															
ZZZZZZ			14:53															
ZZZZZZ			14:53															
ZZZZZZ			14:53															
ZZZZZZ			15:52															
CCV 240-117494/12	1		16:28	X														
240-33580-6	1	T	17:23	X														
240-33580-6 DU	1	T	17:23	X														
240-33580-7	1	T	17:23	X														
240-33580-5	1	T	17:23	X														
240-33580-3	1	T	17:23	X														
240-33580-2	1	T	17:23	X														
240-33580-1	1	T	17:23	X														
ZZZZZZ			17:23															
240-33580-11	1	T	17:23	X														
240-33580-10	1	T	17:23	X														
240-33580-8	1	T	17:23	X														
240-33580-4	1	T	17:23	X														
CCV 240-117494/25	1		17:23	X														
ZZZZZZ			17:23															
ZZZZZZ			17:23															
ZZZZZZ			17:23															
ZZZZZZ			17:23															
ZZZZZZ			17:23															
ZZZZZZ			17:23															
ZZZZZZ			17:23															

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton

SDG No.:

Batch Number: 117494

Batch Method: 9040C

Job No.: 240-33580-1

Batch Start Date: 01/23/14 11:27

Batch End Date: 01/23/14 17:00

Batch Analyst: Nolle, Laura C

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	pHRead1	TempRead1	pHRead2	TempRead2	CalcMsg
CCV 240-117494/1		9040C		10 mL	7.00 SU	18.6 Celsius			pH = Read 1
LCS 240-117494/2		9040C		10 mL	6.47 SU	18.6 Celsius			pH = Read 1
CCV 240-117494/12		9040C		10 mL	6.98 SU	18.2 Celsius			pH = Read 1
240-33580-A-6	V04 DUP	9040C	T	10 mL	0 SU	18.0 Celsius	0 SU	18.4 Celsius	Read 2 Pass
240-33580-A-6 DU	V04 DUP	9040C	T	10 mL	0 SU	18.1 Celsius	0 SU	18.2 Celsius	Read 2 Pass
240-33580-A-7	V27	9040C	T	10 mL	1.80 SU	15.9 Celsius	1.82 SU	15.9 Celsius	Read 2 Pass
240-33580-A-5	V04	9040C	T	10 mL	0 SU	16.8 Celsius	0 SU	17.0 Celsius	Read 2 Pass
240-33580-A-3	V11	9040C	T	10 mL	.28 SU	15.5 Celsius	.28 SU	15.5 Celsius	Read 2 Pass
240-33580-A-2	T37	9040C	T	10 mL	3.71 SU	15.2 Celsius	3.73 SU	15.2 Celsius	Read 2 Pass
240-33580-A-1	V09	9040C	T	10 mL	1.49 SU	15.7 Celsius	1.48 SU	15.8 Celsius	Read 2 Pass
240-33580-A-11	V35	9040C	T	10 mL	4.08 SU	16.2 Celsius	4.10 SU	16.2 Celsius	Read 2 Pass
240-33580-A-10	V29	9040C	T	10 mL	7.53 SU	16.2 Celsius	7.53 SU	16.2 Celsius	Read 2 Pass
240-33580-A-8	V26 LIQUID	9040C	T	10 mL	13.55 SU	15.5 Celsius	13.56 SU	15.5 Celsius	Read 2 Pass
240-33580-A-4	V03	9040C	T	10 mL	0 SU	16.5 Celsius	0 SU	16.6 Celsius	Read 2 Pass
CCV 240-117494/25		9040C		10 mL	7.00 SU				pH = Read 1

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCPH7 00042	WCPHLCS 00008				
CCV 240-117494/1		9040C		10 mL					
LCS 240-117494/2		9040C			10 mL				
CCV 240-117494/12		9040C		10 mL					
240-33580-A-6	V04 DUP	9040C	T						
240-33580-A-6 DU	V04 DUP	9040C	T						
240-33580-A-7	V27	9040C	T						
240-33580-A-5	V04	9040C	T						
240-33580-A-3	V11	9040C	T						
240-33580-A-2	T37	9040C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9040C

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton

SDG No.: _____

Batch Number: 117494Batch Start Date: 01/23/14 11:27Batch Analyst: Nolle, Laura CBatch Method: 9040CBatch End Date: 01/23/14 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCPH7 00042	WCPHLCS 00008				
240-33580-A-1	V09	9040C	T						
240-33580-A-11	V35	9040C	T						
240-33580-A-10	V29	9040C	T						
240-33580-A-8	V26 LIQUID	9040C	T						
240-33580-A-4	V03	9040C	T						
CCV 240-117494/25		9040C		10 mL					

Batch Notes	
pH Buffer 1 ID	1126157
pH Buffer 2 ID	1015110
pH Buffer 3 ID	1247051
pH Buffer 4 ID	922364
pH Buffer 5 ID	580423
Calibration Date and Time	1/23/14 1140
Electronic Slope	100.7
Instrument ID	Randolph
Probe ID	WCP104

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

9040C

Page 2 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-33580 Chain of Custody

Form No. CA-C-W-002, Rev. 4-2, dated 04/02/2013

13

Client Ohio EPA Site Name _____ Cooler unpacked by: Gerry Burns

Cooler Received on 1/23/14 Opened on 1/23/14

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +0 °C) Observed Cooler Temp.	<u>1.2</u> °C	Corrected Cooler Temp.	<u>1.2</u> °C	<input type="checkbox"/> See Multiple Cooler Form
IR GUN# 4 (CF -1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp.	_____ °C	
IR GUN# 5 (CF +1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp.	_____ °C	
IR GUN# 8 (CF +1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp.	_____ °C	
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1
 - Were custody seals on the outside of the cooler(s) signed & dated? Yes No
 - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes NA pH Strip Lot# HC391902
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: J

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____